Approved For Release 2008/07/14: CIA-RDP80-00810A006100740010-5 CLASSIFICATION SECRET REPORT CENTRAL INTELLIGENCE AGENCY INFORMATION REPORT CD NO. 25X1 DATE DISTR. East Germany 21 March 1955 2/2 NO. OF PAGES Special Resistors Developed at VEB Werk fuer Bauelemente der Nachrichtentechnik (WBN), Teltow NO. OF ENCLS. 25X1 (LISTED BELOW) SUPPLEMENT TO REPORT NO. 25X1 HIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE F THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 NO 794, OF THE U.S. CODE, AS AMERDED. ITS TRANSLESSION OF REVEL-TION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON PROMISITED BY LAW THE REPRODUCTION OF THIS FORM IS PROMISITED. THIS IS UNEVALUATED INFORMATION 25X1 or Hachrichtenteetmik (WEN) "Carl von Ossietzky" (Dralowid) in Teltow has developed a number of special precision resistors which are not yet in production. They are expected to be in production in 1955. Among these resistors are: a. Praezisions-Schichtwiderstand (precision layer resistance) These resistors consist of a high-quality porcelain body upon which a crystalline anthracite layer is precipitated and annealed. The strength of this layer varies from 10 power minus 3 (10⁻³) to 10 power minus 5 (10⁻⁵) millimeters according to the resistance value desired. The layer is protected against exterior influences by a special lacquer. These resistors were developed for the range of 0.25 to 2 watt with an ohmic range from 1 ohm to 10 Mega+ohm. These resistors are to be used for measurement devices with high requirements of accuracy. Hochohm-Schichtwiderstand (high-reststance Aafer resistance) Watt range: 0.25 to 2 watt. These resistors were developed for 4, 6, 8, and 10 Mega+ohm. The tolerances are plus or minus 1% and plus or minus 2%. UKW-Schichtwiderstand (ukt/a Short ayer resistance) These resistors also consist of a high pality porcelain body upon which a crystalline anthracite layer is precipitated and annealed. They are for use in ultrashortwave technology. (Moony: duty layer resistance) Hochlast-Schichtwiderstand These resistors are porcelain-anthracite resistors for charges up to 100

COUNTRY

SUBJECT

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1. The VEB Werk fuer Bauelemente de Constitute (WEN) "Carl volume of Special resistors which are not yet in production. They are expected to be in production in 1955.

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- 2. Among these resistors are:
 - a. Praezisions-Schichtwiderstand (precision layer resistance)
 - These resistors consist of a high-quality porcelain body upon which a creatalline anthracite layer is precipitated and annealed. The strength of this layer varies from 10 power minus 3 (10⁻¹) to 10 power minus 5 10⁻⁵ millimeters according to the resistance value desired. The layer is protected against exterior influences by a special lacquer. These resistors were developed for the range of 0.25 to 2 watt with an ohmic range from 1 ohm to 10 Mega-ohm. These resistors are to be used for measurement devices with high requirements of accuracy.
 - b. <u>Hochohm-Schichtwiderstand</u> (high-resistance layer resistance)

Watt range: 0.25 to 2 watt.

These resistors were developed for 4, 6, 8, and 10 Mega-ohm. The tolerances are plus or minus 1% and plus or minus 2%.

c. <u>UKW-Schichtwiderstand</u> (ultra short wave layer resistance)

These resistors also consist of a high-quality porcelain body upon which a crystalline anthracite layer is precipitated and annealed. They are for use in ultrashortwave technology.

d. Hochlast-Schichtwiderstand (heavy duty layer resistance)

These resistors are porcelaisenthracite resistors for charges up to 100 kilowatt, for use in transmitter technology as terminal resistors for antennae. These resistors were developed for air and water cooling....

CLASSIFICATION

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